

What is claimed is:

1. An anode material, comprising:

a composite material formed through applying a compressive force and a shearing force to at least a part of a surface of a base material including at least one kind selected from Group 14 elements except for carbon (C) so as to combine a carbonaceous material with the base material.

2. An anode material according to claim 1, wherein

the base material further includes at least one kind selected from the group consisting of scandium (Sc), titanium (Ti), vanadium (V), chromium (Cr), manganese (Mn), iron (Fe), cobalt (Co), nickel (Ni), copper (Cu), zinc (Zn), boron (B), aluminum (Al), gallium (Ga), indium (In) and silver (Ag).

3. An anode material according to claim 1, wherein

the carbonaceous material is acetylene black.

4. An anode material according to claim 1, wherein

the carbonaceous material is artificial graphite.

5. An anode material according to claim 1, wherein

the carbonaceous material is carbon fiber.

6. An anode material according to claim 1, wherein
the mass ratio of the base material and the carbonaceous material
in the composite material is within a range of 0.1 to 8.0 inclusive for the
carbonaceous material to 100 for the base material.

7. A battery, comprising:

a cathode;

an anode; and

an electrolyte,

wherein the anode comprises a composite material formed through
applying a compressive force and a shearing force to at least a part of a
surface of a base material including at least one kind selected from Group
14 elements except for carbon (C) so as to combine a carbonaceous material
with the base material.

8. A battery according to claim 7, wherein

the base material further includes at least one kind selected from
the group consisting of scandium (Sc), titanium (Ti), vanadium (V),
chromium (Cr), manganese (Mn), iron (Fe), cobalt (Co), nickel (Ni), copper
(Cu), zinc (Zn), boron (B), aluminum (Al), gallium (Ga), indium (In) and
silver (Ag).

9. A battery according to claim 7, wherein

the carbonaceous material is acetylene black.

10. A battery according to claim 7, wherein
the carbonaceous material is artificial graphite.
11. A battery according to claim 7, wherein
the carbonaceous material is carbon fiber.
12. A battery according to claim 7, wherein
the mass ratio of the base material and the carbonaceous material
in the composite material is within a range of 0.1 to 8.0 inclusive for the
carbonaceous material to 100 for the base material.